

Listing of Claims

1. (Currently Amended) An organic EL display panel comprising:

a sealant;

an emitting cell comprising an anode strip, a supplement electrode, an organic EL layer, and a cathode strip;

a bulkhead for insulating the cathode strip and an adjacent cathode strip; and

a supplemental bulkhead for connecting adjacent bulkheads and preventing ~~the~~ sealant from permeating into ~~at least one of~~ the emitting cell, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment coupled to a lateral face of the bulkhead at a location between an end portion of the bulkhead and the emitting cell,

a second supplemental bulkhead segment coupled to an end portion of the first supplemental bulkhead segment, and

a third supplemental bulkhead segment coupled to an end portion of the second supplemental bulkhead segment and another supplemental bulkhead segment coupled to a lateral face of an adjacent bulkhead, wherein a distance between an end portion of the third supplemental bulkhead segment and the emitting cell is greater than a distance between the end portion of the first supplemental bulkhead segment and the emitting cell.

2. (Previously Presented) The organic EL display panel of claim 1, wherein the supplement bulkhead is provided in an area between the emitting cell and the sealant.

3. (Original) The organic EL display panel of claim 1, wherein the supplement bulkhead forms a predetermined angle with the bulkhead.

4. (Canceled)

5. (Previously Presented) The organic EL display panel of claim 1, further comprising: an insulating film formed around the organic EL layer from a predetermined area including the sealant and the supplement electrode to a portion of a glass substrate.

6. (Canceled)

7. (Previously Presented) A method of manufacturing an organic EL display panel having a plurality of emitting cells, comprising:

forming an anode strip and a supplement electrode in a smaller width than the anode strip;

forming an insulating film;

forming a bulkhead and at least one supplemental bulkhead coupled to at least one side portion of the bulkhead;

forming an organic EL layer and a cathode strip; and

adhering a seal-cover and a glass substrate by using a sealant, wherein the supplement bulkhead comprises:

a first supplemental bulkhead segment coupled to a lateral face of the bulkhead at a location between an end portion of the bulkhead and the emitting cell,

a second supplemental bulkhead segment coupled to an end portion of the first supplemental bulkhead segment, and

a third supplemental bulkhead segment coupled to an end portion of the second supplemental bulkhead segment and another supplemental bulkhead segment coupled to a lateral face of an adjacent bulkhead, wherein a distance between an end portion of the third supplemental bulkhead segment and the emitting cell is greater than a distance between the end portion of the first supplemental bulkhead segment and the emitting cell.

8. (Previously Presented) The method of claim 7, further comprising:

forming a short anode strip that is shorter than the anode strip between the bulkhead and at least one other bulkhead.

9. (Previously Presented) The method of claim 7, wherein the insulating film is formed around the organic EL layer from a predetermined area including a sealant and the supplement electrode to a portion of the glass substrate.

10. (Previously Presented) The method of claim 7, wherein the bulkhead and the supplement bulkhead are formed at a same time.

11. (Previously Presented) An organic EL display panel having a plurality of emitting cells comprising:

a plurality of bulkheads for insulating the plurality of emitting cells; and

a supplemental bulkhead for connecting adjacent bulkheads and preventing a sealant from permeating into at least one of the emitting cells, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment coupled to a lateral face of the bulkhead at a location between an end portion of the bulkhead and the emitting cell,

a second supplemental bulkhead segment coupled to an end portion of the first supplemental bulkhead segment, and

a third supplemental bulkhead segment coupled to an end portion of the second supplemental bulkhead segment and another supplemental bulkhead segment coupled to a lateral face of an adjacent bulkhead, wherein a distance between an end portion of the third supplemental bulkhead segment and the emitting cell is greater than a distance between the end portion of the first supplemental bulkhead segment and the emitting cell.

12. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead is located in a region between adjacent bulkheads and a region between the emitting cells and a sealant.

13. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead is formed perpendicular to at least one of the adjacent bulkheads.

14. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead includes three segments.

15. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment perpendicular to and connected with at least one of the bulkheads;

a second supplemental bulkhead segment parallel to said at least one of the bulkheads and connected with the first supplemental bulkhead segment; and

a third supplemental bulkhead segment perpendicular to said at least one of the bulkheads and connected with the second supplemental bulkhead segment.

16. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment formed at a first predetermined angle with and connected to at least one of the bulkheads;

a second supplemental bulkhead segment parallel to said at least one of the bulkheads and connected with the first supplemental bulkhead segment; and

a third supplemental bulkhead segment formed at a second predetermined angle with said at least one of the bulkheads and connected with the second supplemental bulkhead segment.

17. (Previously Presented) The organic EL display panel of claim 11, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment curved to and connected with at least one of the bulkheads;

a second supplemental bulkhead segment parallel to said at least one of the bulkheads and connected with the first supplemental bulkhead segment; and

a third supplemental bulkhead segment curved to said at least one of the bulkheads and connected with the second supplemental bulkhead segment.

18. (Previously Presented) A method of manufacturing an organic EL display panel having a plurality of emitting cells, the method comprising:

forming a plurality of anode strips on a substrate;

forming an insulating film in a region other than an emitting cell region;

forming a plurality of bulkheads on the insulating film and a supplemental bulkhead connecting adjacent ones of the bulkheads; and

forming an organic EL layer and a cathode strip in the emitting cell region, wherein the supplemental bulkhead comprises:

a first supplemental bulkhead segment coupled to a lateral face of the bulkhead at a location between an end portion of the bulkhead and the emitting cell,

a second supplemental bulkhead segment coupled to an end portion of the first supplemental bulkhead segment, and

a third supplemental bulkhead segment coupled to an end portion of the second supplemental bulkhead segment and another supplemental bulkhead segment coupled to a lateral face of an adjacent bulkhead, wherein a distance between an end portion of the third supplemental bulkhead segment and the emitting cell is greater than a distance between the end portion of the first supplemental bulkhead segment and the emitting cell.

19. (Previously Presented) The method of claim 18, wherein the plurality of bulkheads and the supplemental bulkhead are formed at a same time.

20-25 (Canceled)

26. (Currently Amended) An organic EL display panel comprising:

an emitting cell between two bulkheads; and

a supplemental bulkhead for connecting two bulkheads, wherein the supplemental bulkhead includes a second supplemental bulkhead segment connecting a first supplemental bulkhead segment and a third supplemental bulkhead segment, wherein a distance between the third supplemental bulkhead segment and the emitting cell is greater than a distance between the first supplemental bulkhead segment and the emitting cell, wherein the first supplemental bulkhead segment is coupled to a lateral face of the bulkhead at a location between an end portion of the bulkhead and the emitting cell.

27. (Previously Presented) The organic EL display panel of claim 26, wherein the first supplemental bulkhead segment is coupled to two bulkheads, respectively, the second supplemental bulkhead is coupled to an end portion of the first supplemental bulkhead segment, and the third supplemental bulkhead segment is coupled to an end portion of the second supplemental bulkhead segment.

28. (Canceled)

29. (Currently Amended) An The organic EL display panel of claim 26, comprising:
an emitting cell between two bulkheads; and
a supplemental bulkhead for connecting two bulkheads, wherein the supplemental
bulkhead includes a second supplemental bulkhead segment connecting a first supplemental
bulkhead segment and a third supplemental bulkhead segment, wherein a distance between the
third supplemental bulkhead segment and the emitting cell is greater than a distance between the
first supplemental bulkhead segment and the emitting cell, wherein a distance between an end portion of the bulkhead and the emitting cell is greater than a distance between the end portion of the third supplemental bulkhead segment and the emitting cell.

30. (Currently Amended) An The organic EL display panel of claim 26, comprising:
an emitting cell between two bulkheads; and
a supplemental bulkhead for connecting two bulkheads, wherein the supplemental
bulkhead includes a second supplemental bulkhead segment connecting a first supplemental

Reply to Office Action of **September 26, 2008**

bulkhead segment and a third supplemental bulkhead segment, wherein a distance between the third supplemental bulkhead segment and the emitting cell is greater than a distance between the first supplemental bulkhead segment and the emitting cell, wherein the third supplemental bulkhead segment is located in a region between the end portion of the first supplemental bulkhead segment and the bulkhead.